

TOWN OF SOLDIER SUMMIT

11 Aug 1981
315

Soldier Summit, Utah, Aug 11, 1981

RECEIVED OF Soldier Summit Development

Wendy DOLLARS, \$ 50.00

On account of Business card fee

Conductor

TOWN OF SOLDIER SUMMIT

By Wendy

Deanna E. Beckner

HEALTH
PREVENTION
PROTECTION
PROMOTION

Arley Flinders, M.D., M.P.H.
Health Officer

CITY-COUNTY HEALTH DEPARTMENT
OF
UTAH COUNTY

TELEPHONE: 375-8100
COUNTY BUILDING ANNEX - 107 EAST 100 SOUTH
PROVO, UTAH 84601

BOARD OF HEALTH

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Donald N. Wright, Ph.D.

October 14, 1981

Honorable Mayor and Town Board
Soldiers Summit, Utah
P.O. Box 85
Helper, Utah 84526

RE: Soldier Summit Estates
Plat "C" Subdivision

Gentlemen:

A preliminary subdivision plat prepared for Soldier Summit Development, 1360 Beneficial Life Building, Salt Lake City, Utah, has been submitted to our office, together with some soil data, by Bush and Gudgeon Inc., Engineers of Salt Lake. Ten of the areas where percolation tests were run were rechecked under the supervision of one of our sanitarians.

A total of 49 percolation test holes were run of which 6 did not meet the specifications of the Utah State Department of Health, Regulations for Individual Wastewater Disposal Systems. One other test was 60 min/inch which is the maximum allowable rate.

Nine soil exploration holes were dug of which 4 of the 9 hit bedrock at 4½ feet or less. These were located on approximately the south west 40 percent of the proposed development. The above referred regulations require a minimum of 4 feet of suitable absorptive material below the bottom of the drainfield. Unless more suitable sites can be located on each lot, a septic tank and drainfield could not be installed.

It is our recommendation that the following statement be placed on the final plat of the subdivision so that the purchaser will be aware of the requirement. "Before a building permit is issued, soil tests must be approved in accordance with Part IV Code of Waste Disposal Regulations--Utah State Department of Health--and Regulations of the City-County Health Department of Utah County."

Since soil tests were not run on all lots, those not tested must be done before building permits are issued. Those tests in Utah County must be supervised by a Sanitarian with the Health Department. Also plot plans showing the location of the home and proposed sewage system must be approved by the Health Department. We are enclosing a copy of our requirements.

All installations of sewage disposal systems must be installed in accordance with Part IV-Regulations for Individual Wastewater Disposal Systems and be approved by an onsite inspection by a representative of the City-County Health Department.

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Water Supply

Information submitted by the Engineering Firm states "A culinary water system is not available at the proposed subdivision, nor will the developer provide or install such a system. The developer has no responsibility to provide water, culinary or otherwise, to any of the lots. Underground water may be present under some of the lots, and it may be possible for owners to drill wells on the lots to obtain water. The developer, however, can give no assurance that culinary water will be available on any specific lot.

The Water Rights Division of the State Engineers Office has stated that this area is closed to new appropriations of water. Existing water rights would have to be purchased and/or transferred to the area prior to the drilling of a well on any individual lot."

We would be happy to work with the Town of Soldiers Summit and with the Developers to satisfactorily resolve any problems now present or which may arise in the future. If you have any questions please contact us.

Sincerely,

CITY-COUNTY HEALTH DEPARTMENT
OF UTAH COUNTY



Glen Sagers, R.S.
Supervisor Environmental Health
Assistant Health Officer

GS/js

Encl.

cc: Soldiers Summit Development Co.
Wasatch County Health Dept.
Utah County
Steven Guynn
Bush & Gudgeon

CITY-COUNTY HEALTH DEPT. OF UTAH COUNTY
COUNTY ANNEX BLDG-107 EAST 100 SOUTH
PROVO, UTAH 84601

APPROVAL OF PLANS FOR INDIVIDUAL WASTEWATER DISPOSAL SYSTEMS

The Utah "Code of Waste Disposal Regulations" states that plans for the construction and alteration of individual wastewater disposal systems (septic tanks and absorption systems) must be submitted to the local health authority having jurisdiction, and that COMPLIANCE WITH THE CODE MUST BE DETERMINED BY AN ON-SITE INSPECTION AFTER CONSTRUCTION BUT BEFORE BACKFILLING. Individual wastewater disposal systems must be constructed and installed in accordance with Part IV of the Utah "Code of Waste Disposal Regulations."

In order that approval can be expedited, plans submitted for review must include the following items:

PLOT PLAN (See Reverse Side)

1. Three (3) copies of a plot plan (5 copies if guaranteed by a federal agency) showing (a) direction of north, (b) lot boundaries, (c) existing contours or relative elevations, (d) outline of house, (e) maximum number of bedrooms, (f) location and liquid capacity of septic tank, (g) location and dimensions of subsurface absorption system, (h) location of well or water service line, (i) streams, ditches, watercourses, ponds, etc., within 100 feet of property.
2. Relative elevations of (a) house sewer, (b) septic tank and subsurface absorption, and (c) of final ground surface.
3. Complete address of dwelling and name of owner or contractor.

PERCOLATION AND SOIL EXPLORATION TESTS

1. Statement of soil conditions obtained from soil explorations to a depth of 10 feet. See attached information sheet.
2. The results of stabilized percolation tests in the area of the proposed absorption device, conducted according to Part IV of the Utah "Code of Waste Disposal Regulations" and under the supervision of a sanitarian of the City-County Health Dept. See attached information sheet.
3. Statement indicating (a) present and (b) maximum anticipated ground water elevation.

WATER SUPPLY

Statement indicating (a) source of water supply for dwelling (whether a well, spring, or public system) and (b) location and (c) distance from wastewater disposal system. If water source is an existing public supply, a letter of approval from the municipality or company must be furnished. If a private source, state engineer application or permit number must be submitted.

ZONE APPROVAL

Approval from zoning official in the city or county where property is located.

Applications will be rejected if proper information is not submitted.

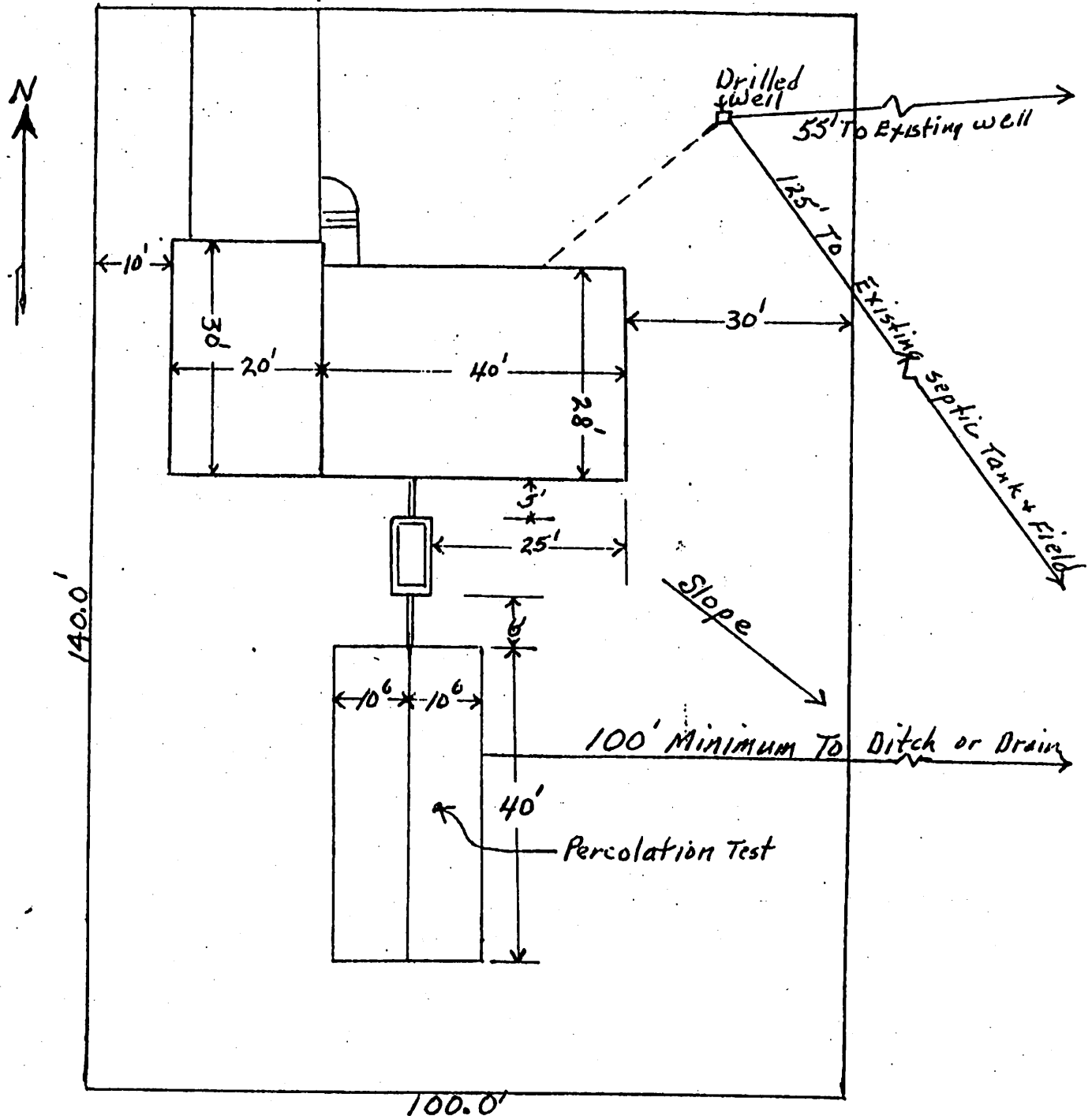
INSPECTION FEE

A ten dollar (\$10.00) fee for plan approval and inspection of the installed system shall be paid to the Health Department at the time the plans are approved.

If you have any questions, please contact this department.

EXAMPLE PLOT PLAN

Owner Name & Address



Plot Plan

- (1) Location and size of septic tank, distribution box, absorption field and other essential parts of the sewage disposal system and distance to all individual wells and open streams or drainage ways.
- (2) Location of well, service line and other essential parts of the water supply system and distance to other wells and/or sewage disposal systems.
- (3) Exact location of individual systems (water or sewage) on adjacent properties and description of system if available.
- (4) Slope of ground, direction and feet per hundred.

CITY-COUNTY HEALTH DEPARTMENT
OF UTAH COUNTY
107 East 100 South Provo, Utah 84601

INFORMATION FOR DETERMINING SOIL EXPLORATION AND PERCOLATION TESTS
FOR SUBSURFACE WASTEWATER ABSORPTION SYSTEMS

ALL TESTS MUST BE SUPERVISED BY A SANITARIAN FROM THE HEALTH DEPT.
ARRANGEMENTS FOR THE INSPECTION MUST BE MADE 24 HOURS IN ADVANCE.

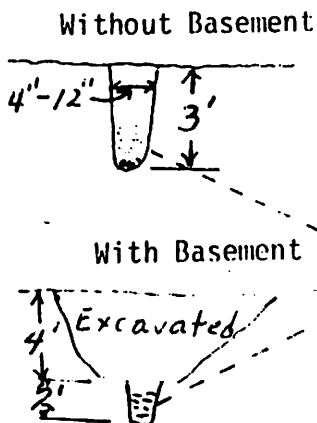
SOIL EXPLORATION



Suitable soil exploration to a depth of about 10 feet, or at least 4 feet below the bottom of proposed absorption systems, and adequate percolation tests shall be made to provide necessary information on subsoil conditions. Percolation tests certificates...and soil exploration reports shall be considered an essential part of plans for the disposal facility. See examples at left.

PERCOLATION TESTS

All percolation tests required shall be performed in accordance with the following. Results shall be submitted in a test report accompanied by a signed statement certifying that the tests were so conducted.



1. Dig or bore the holes with horizontal dimensions of from 4 to 12 inches and vertical sides to the depth of the bottom of the proposed absorption device.
2. Fill the hole with clear water to a minimum depth of 12 inches over the gravel. By refilling, if necessary, or by supplying a surplus reservoir of water (automatic siphon), keep water in hole for at least four hours, and preferably overnight.....
3. Percolation rate measurements should be made following the saturation process. Report on "percolation test certificate."
4. In clay or relatively tight soils, adjust the water to a depth of about 6 inches over the gravel. From a fixed reference point, measure the height of the water surface at approximately 30 minute intervals over a 4-hour period, refilling the hole to a depth of 6 inches as necessary. The drop which occurs during the final 30 minute period is used to calculate the percolation rate.
5. In sandy or other soils, after the saturation period, the time interval between measurements can be 10 minutes and test run over a period of one hour. The drop which occurs in the final 10 minute period is used to calculate the percolation rate.

FROM: PART IV-CODE OF WASTE DISPOSAL REGULATIONS UTAH STATE BOARD OF HEALTH
AND THE UTAH WATER POLLUTION CONTROL BOARD.